

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Cancelled)
2. (Currently amended) An isolated endo- β -N-acetylglucosaminidase endo- β -N-acetylglucosaminidase gene encoding:
 - (a) a protein comprising the amino acid sequence represented by SEQ ID NO: 3; or
 - (b) a protein comprising an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 3 by deletion, substitution, insertion, or addition of 1-10 amino acids and having the activity of endo- β -N-acetylglucosaminidase endo- β -N-acetylglucosaminidase.
3. (Currently amended) An isolated gene comprising the following DNA:
 - (a) a DNA consisting of a nucleotide sequence represented by ~~SEQ ID NO.: 2~~ SEQ ID NO: 2; or,
~~(d) a DNA which hybridizes under a sodium concentration of 50-300 mM and a temperature of 50-68 °C with a DNA consisting of a nucleotide sequence represented by SEQ ID NO.: 2, and which encodes a protein having endo- β -N-acetylglucosaminidase activity.~~
4. (Cancelled)
5. (Previously presented) The gene according to claim 2, wherein the gene is isolated from a microorganism belonging to the genus *Mucor*.
6. (Original) The gene according to claim 5, wherein the microorganism belonging to the genus *Mucor* is *Mucor hiemalis*.
7. (Previously presented) A recombinant vector which comprises the gene according to claim 2.
8. (Original) A transformant which comprises the recombinant vector of claim 7.

9. (Withdrawn – Currently amended) A method of producing using the transformant of claim 8 to produce endo- β -N-acetylglucosaminidase comprising culturing the transformant according to of claim 8 and collecting endo- β -N-acetylglucosaminidase from the culture product.
10. (Previously presented) The gene according to claim 3, wherein the gene is isolated from a microorganism belonging to the genus *Mucor*.
11. (Canceled)
12. (Previously presented) A recombinant vector which comprises the gene according to claim 3.
13. (Canceled)
14. (Previously presented) A recombinant vector which comprises the gene according to claim 5.
15. (Previously presented) A recombinant vector which comprises the gene according to claim 6.
16. (Previously presented) A transformant which comprises the recombinant vector of claim 12.